



PF-0261-2 DIV

<110> HILLMAN, Jennifer L.
GOLI, Surya K.

<120> CALCIUM-BINDING PROTEIN

<130> PF-0261-2 DIV

<140> US 09/768,840

<141> 2001-01-23

<150> US 09/206,499

<151> 1998-12-07

<150> US 08/828,242

<151> 1997-03-31

<160> 6

<170> PERL Program

<210> 1

<211> 328

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2509570CD1

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His	Gly	Ala	Gln	Gly	Lys	Pro	Ser	Pro	Asp	Ala	Gly	Pro	His	Gly
				20					25					30
Gln	Gly	Arg	Val	His	Gln	Ala	Ala	Pro	Leu	Ser	Asp	Ala	Pro	His
				35					40					45
Asp	Asp	Ala	His	Gly	Asn	Phe	Gln	Tyr	Asp	His	Glu	Ala	Phe	Leu
				50					55					60
Gly	Arg	Glu	Val	Ala	Lys	Glu	Phe	Asp	Gln	Leu	Thr	Pro	Glu	Glu
				65					70					75
Ser	Gln	Ala	Arg	Leu	Gly	Arg	Ile	Val	Asp	Arg	Met	Asp	Arg	Ala
				80					85					90
Gly	Asp	Gly	Asp	Gly	Trp	Val	Ser	Leu	Ala	Glu	Leu	Arg	Ala	Trp
				95					100					105
Ile	Ala	His	Thr	Gln	Gln	Arg	His	Ile	Arg	Asp	Ser	Val	Ser	Ala
				110					115					120
Ala	Trp	Asp	Thr	Tyr	Asp	Thr	Asp	Arg	Asp	Gly	Arg	Val	Gly	Trp
				125					130					135
Glu	Glu	Leu	Arg	Asn	Ala	Thr	Tyr	Gly	His	Tyr	Ala	Pro	Gly	Glu
				140					145					150
Glu	Phe	His	Asp	Val	Glu	Asp	Ala	Glu	Thr	Tyr	Lys	Lys	Met	Leu
				155					160					165
Ala	Arg	Asp	Glu	Arg	Arg	Phe	Arg	Val	Ala	Asp	Gln	Asp	Gly	Asp
				170					175					180
Ser	Met	Ala	Thr	Arg	Glu	Glu	Leu	Thr	Ala	Phe	Leu	His	Pro	Glu
				185					190					195
Glu	Phe	Pro	His	Met	Arg	Asp	Ile	Val	Ile	Ala	Glu	Thr	Leu	Glu
				200					205					210
Asp	Leu	Asp	Arg	Asn	Lys	Asp	Gly	Tyr	Val	Gln	Val	Glu	Glu	Tyr
				215					220					225
Ile	Ala	Asp	Leu	Tyr	Ser	Ala	Glu	Pro	Gly	Glu	Glu	Glu	Pro	Ala
				230					235					240

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Trp	Val	Gln	Thr	Glu	Arg	Gln	Gln	Phe	Arg	Asp	Phe	Arg	Asp	Leu
				245					250					255
Asn	Lys	Asp	Gly	His	Leu	Asp	Gly	Ser	Glu	Val	Gly	His	Trp	Val
				260					265					270
Leu	Pro	Pro	Ala	Gln	Asp	Gln	Pro	Leu	Val	Glu	Ala	Asn	His	Leu
				275					280					285
Leu	His	Glu	Ser	Asp	Thr	Asp	Lys	Asp	Gly	Arg	Leu	Ser	Lys	Ala
				290					295					300
Glu	Ile	Leu	Gly	Asn	Trp	Asn	Met	Phe	Val	Gly	Ser	Gln	Ala	Thr
				305					310					315
Asn	Tyr	Gly	Glu	Asp	Leu	Thr	Arg	His	His	Asp	Glu	Leu		
				320					325					

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<220>
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 <222> (1) ... (1055)
 <223> a, t, c, g, or other

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ggccagggga	gggtgcacca	ggcgggcccc	ctgagcgacg	ctccccatga	tgacgcccac	180
gggaacttcc	agtacgacca	tgaggctttc	ctggggacggg	aagtggccaa	ggaattcgac	240
caactcaccc	cagaggaag	ccaggcccgt	ctggggcgga	tcgtggaccg	catggaccgc	300
gcgggggacg	gcgacggctg	ggtgtcgctg	gccgagcttc	gcgcgtggat	cgcgcacacg	360
cagcagcggc	acatacggga	ctcggtgagc	gcggcctggg	acacgtacga	cacggaccgc	420
gacgggcgtg	tgggttggga	ggagctgcgc	aacgccacct	atggccacta	cgcgcccggt	480
gaagaatttc	atgacgtgga	ggatgcagag	acctacaaaa	agatgctggc	tcgggacgag	540
cggcgtttcc	gggtggccga	ccaggatggg	gactcgatgg	ccactcgaga	ggagctgaca	600
gccttcctgc	accccgagga	gttcacctac	atgcggggaca	tcgtgattgc	tgaaccctg	660
gaggacctgg	acagaaacaa	agatggctat	gtccagggtg	aggagtacat	cgcggtatcg	720
tactcagccg	agcctgggga	ggaggagccg	gcgtgggtgc	agacggagag	gcagcagttc	780
cgggacttcc	gggatctgaa	caaggatggg	cacctggatg	ggagtgaggt	gggccactgg	840
gtgctgcccc	ctgcccagga	ccagcccctg	gtggaagcca	accacctgct	gcacgagagc	900
gacacggaca	aggatgggcg	gctgagcaaa	gcggaaatcc	tgggtaattg	gaacatgttt	960
gtgggcagtc	aggccaccaa	ctatggcgag	gacctgaccc	ggcaccacga	tgagctgtga	1020
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<220>
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Leu	Leu	Leu	Ala	Leu	Val	Leu	Ala	Pro	Arg	Val	Leu	Arg	Ala	Lys
				20					25					30

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Pro	Thr	Val	Arg	Lys	Glu	Arg	Val	Val	Arg	Pro	Asp	Ser	Glu	Leu
				35					40					45
Gly	Glu	Arg	Pro	Pro	Glu	Asp	Asn	Gln	Ser	Phe	Gln	Tyr	Asp	His
				50					55					60
Glu	Ala	Phe	Leu	Gly	Lys	Glu	Asp	Ser	Lys	Thr	Phe	Asp	Gln	Leu
				65					70					75
Thr	Pro	Asp	Glu	Ser	Lys	Glu	Arg	Leu	Gly	Lys	Ile	Val	Asp	Arg
				80					85					90
Ile	Asp	Asn	Asp	Gly	Asp	Gly	Phe	Val	Thr	Thr	Glu	Glu	Leu	Lys
				95					100					105
Thr	Trp	Ile	Lys	Arg	Val	Gln	Lys	Arg	Tyr	Ile	Phe	Asp	Asn	Val
				110					115					120
Ala	Lys	Val	Trp	Lys	Asp	Tyr	Asp	Arg	Asp	Lys	Asp	Asp	Lys	Ile
				125					130					135
Ser	Trp	Glu	Glu	Tyr	Lys	Gln	Ala	Thr	Tyr	Gly	Tyr	Tyr	Leu	Gly
				140					145					150
Asn	Pro	Ala	Glu	Phe	His	Asp	Ser	Ser	Asp	His	His	Thr	Phe	Lys
				155					160					165
Lys	Met	Leu	Pro	Arg	Asp	Glu	Arg	Arg	Phe	Lys	Ala	Ala	Asp	Leu
				170					175					180
Asn	Gly	Asp	Leu	Thr	Ala	Thr	Arg	Glu	Glu	Phe	Thr	Ala	Phe	Leu
				185					190					195
His	Pro	Glu	Glu	Phe	Glu	His	Met	Lys	Glu	Ile	Val	Val	Leu	Glu
				200					205					210
Thr	Leu	Glu	Asp	Ile	Asp	Lys	Asn	Gly	Asp	Gly	Phe	Val	Asp	Gln
				215					220					225
Asp	Glu	Tyr	Ile	Ala	Asp	Met	Phe	Ser	His	Glu	Glu	Asn	Gly	Pro
				230					235					240
Glu	Pro	Asp	Trp	Val	Leu	Ser	Glu	Arg	Glu	Gln	Phe	Asn	Glu	Phe
				245					250					255
Arg	Asp	Leu	Asn	Lys	Asp	Gly	Lys	Leu	Asp	Lys	Asp	Glu	Ile	Arg
				260					265					270
His	Trp	Ile	Leu	Pro	Gln	Asp	Tyr	Asp	His	Ala	Gln	Ala	Glu	Ala
				275					280					285
Arg	His	Leu	Val	Tyr	Glu	Ser	Asp	Lys	Asn	Lys	Asp	Glu	Lys	Leu
				290					295					300
Thr	Lys	Glu	Glu	Ile	Leu	Glu	Asn	Trp	Asn	Met	Phe	Val	Gly	Ser
				305					310					315
Gln	Ala	Thr	Asn	Tyr	Gly	Glu	Asp	Leu	Thr	Lys	Asn	His	Asp	Glu
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Leu

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Ala	Leu	Val	Leu	Ala	Leu	Arg	Ala	Lys	Pro	Thr	Val	Arg	Lys	Glu
				20					25					30
Arg	Val	Val	Arg	Pro	Asp	Ser	Glu	Leu	Gly	Glu	Arg	Pro	Pro	Glu
				35					40					45
Asp	Asn	Gln	Ser	Phe	Gln	Tyr	Asp	His	Glu	Ala	Phe	Leu	Gly	Lys
				50					55					60

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Glu	Asp	Ser	Lys	Thr	Phe	Asp	Gln	Leu	Ser	Pro	Asp	Glu	Ser	Lys	
				65					70						75
Glu	Arg	Leu	Gly	Lys	Ile	Val	Asp	Arg	Ile	Asp	Ser	Asp	Gly	Asp	
				80					85						90
Gly	Leu	Val	Thr	Thr	Glu	Glu	Leu	Lys	Leu	Trp	Ile	Lys	Arg	Val	
				95					100						105
Gln	Lys	Arg	Tyr	Ile	Tyr	Asp	Asn	Val	Ala	Lys	Val	Trp	Lys	Asp	
				110					115						120
Tyr	Asp	Arg	Asp	Lys	Asp	Glu	Lys	Ile	Ser	Trp	Glu	Glu	Tyr	Lys	
				125					130						135
Gln	Ala	Thr	Tyr	Gly	Tyr	Tyr	Leu	Gly	Asn	Pro	Ala	Glu	Phe	His	
				140					145						150
Asp	Ser	Ser	Asp	His	His	Thr	Phe	Lys	Lys	Met	Leu	Pro	Arg	Asp	
				155					160						165
Glu	Arg	Arg	Phe	Lys	Ala	Ser	Asp	Leu	Asp	Gly	Asp	Leu	Thr	Ala	
				170					175						180
Thr	Arg	Glu	Glu	Phe	Thr	Ala	Phe	Leu	His	Pro	Glu	Glu	Phe	Glu	
				185					190						195
His	Met	Lys	Glu	Ile	Val	Val	Leu	Glu	Thr	Leu	Glu	Asp	Ile	Asp	
				200					205						210
Lys	Asn	Gly	Asp	Gly	Phe	Val	Asp	Gln	Asp	Glu	Tyr	Ile	Ala	Asp	
				215					220						225
Met	Phe	Ser	His	Glu	Asp	Asn	Gly	Pro	Glu	Pro	Asp	Trp	Val	Leu	
				230					235						240
Ser	Glu	Arg	Glu	Gln	Phe	Asn	Asp	Phe	Arg	Asp	Leu	Asn	Lys	Asp	
				245					250						255
Gly	Lys	Leu	Asp	Lys	Asp	Glu	Ile	Arg	His	Trp	Ile	Leu	Pro	Gln	
				260					265						270
Asp	Tyr	Asp	His	Ala	Gln	Ala	Glu	Ala	Arg	His	Leu	Val	Tyr	Glu	
				275					280						285
Ser	Asp	Lys	Asn	Lys	Asp	Glu	Met	Leu	Thr	Lys	Glu	Glu	Ile	Leu	
				290					295						300
Asp	Asn	Trp	Asn	Met	Phe	Val	Gly	Ser	Gln	Ala	Thr	Asn	Tyr	Gly	
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Glu	Asp	Leu	Thr	Lys	Asn	His	Asp	Glu	Leu						
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 His Asp Glu Leu

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1